

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In Re Application of:**

**David W. Proctor, Michael Cerceo and**

**Udiyan Ilanjeran Padmanabhan**

**Application No.: Not Yet Assigned**

**Filing Date: Herewith**

**Confirmation No.: Not Yet Assigned**

**Group Art Unit: Not Yet Assigned**

**Examiner: Not Yet Assigned**

**For: Apparatus, Systems and Methods Relating to Improved User Interaction with a Computing Device**

**EXPRESS MAIL LABEL NO: EV396265610US  
DATE OF DEPOSIT: February 27, 2004**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the

mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with  the first or  second After Final Submission, therefore:
  - Certification in Accordance with § 1.97(e) is attached; or
  - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
  - Certification in Accordance with § 1.97(e) is attached; or
  - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).
- Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT:

A copy of the reference **10** listed on the attached Form PTO 1449 is not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:

Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. , filed

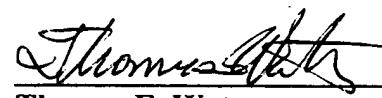
Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

The relevance of those listed references which are not in the English language is as follows:

An English language abstract has been provided for reference 9. There are no other listed references which are not in the English language.

Date: February 27, 2004

  
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>MSFT-2872/306077.02</b>	Application No. <b>Not Yet Assigned</b>
	Applicant <b>David W. Proctor, Michael Cerceo and Udiyan Ilanjeran Padmanabhan</b>	
	Filing Date <b>Herewith</b>	Group <b>Not Yet Assigned</b>
	Confirmation No. <b>Not Yet Assigned</b>	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1	Akamatsu, M. et al., "Changes in applied force to a touchpad during pointing tasks," <i>Int'l J. industrial Ergonomics</i> , <b>2002</b> , 29(3), 171-182
2	Beadle, H.W.P. et al., "A user interface device for domestic hypermedia," <i>International Conference on Information, Communications and Signal Processing</i> , Singapore, September 9-12, <b>1997</b> , 3,1677-1681
3	Isokoski; P. et al., "Comparison of two touchpad-based methods for numeric entry," <i>Proceedings of CHI2002: Conference on Human Factors in Computing Systems</i> , Minneapolis, MN, April 20-25, <b>2002</b> , 25-32
4	Kelaher, D. et al., "An investigation of the effects of touchpad location within a notebook computer," <i>Applied Ergonomics</i> , <b>2001</b> , 32(1), 101-110
5	Mackenzie, I.S. et al., "A comparison of three selection techniques for touchpads," <i>Proceedings of Conference on Human Factors in Computing Systems (CHI 98)</i> , Los Angeles, CA, April 18-23, <b>1998</b> , 336-343
6	Mentis, H.M. et al., "Using TouchPad pressure to detect negative affect," <i>Proceedings Fourth IEEE Int'l Conf. on Multimodal Interfaces</i> , Pittsburg, PA, October 14-16, <b>2002</b> , 406-410
7	Nass, R., "Touchpad input device goes digital to give portable systems a desktop "mouse-like" feel," <i>Electronic Design</i> , <b>1996</b> , 44(18), 51-52
8	Smarte, G., "Pointers in the right direction (mobile PC pointing devices)," <i>PC World</i> , <b>1994</b> , 12(11), 252-253
9	Zühlke, D. et al., "Alternatives to the computermouse," <i>Automatisierungstechnische Praxis</i> , <b>1999</b> , 41(8), 17-25 (English language abstract included)

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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<b>Form PTO-1449 Modified</b>		Docket No. <b>MSFT-2872/306077.02</b>	Application No. <b>Not Yet Assigned</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Mike Cerceo and David Proctor</b>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>Herewith</b>	Group <b>Not Yet Assigned</b>
		Confirmation No. <b>Not Yet Assigned</b>	

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	<b>10</b>	6,333,753 B1	12/25/01	Hinckley	345	768

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

**EXAMINER****DATE CONSIDERED**